ECOLOGICALLY BASED SYSTEMS MANAGEMENT

SUMMARY OF DISCHARGE CRITERIA

Maximum Annual Discharge

Objectives:

- Geomorphic Work
- Maintain Shifting Habitat Mosaic

Criteria:

- In Ultra-wet years (Total Annual Discharge >7M Acre Ft) [4yrs of last 45yrs] approach 30,000 cfs for as long as possible with >25,000cfs; 12-15 days.
- In Wet years (Total Annual Discharge 5.8 - 6.8M Acre Ft) [11yrs of the last 45yrs] exceed 25,000 cfs; 8 - 12days
- In Moderate years (Total Annual Discharge 4 - 5.8M Acre Ft) [17yrs of last 45yrs] exceed 19,000 – 25,000 cfs and sustain as long as volume allows
- In Dry years - Stay with existing protocols.

Descending Limb and Summer Flow

Objectives:

- Riparian cottonwood recruitment
- Fish Habitat

Criteria:

- In Ultra-wet years (Total Annual Discharge >7M Acre Ft) [4yrs of last 45yrs] reduce discharge from maximum at a rate not to exceed 5%/day for 2-3 weeks;

maintain descending discharge throughout July and August to meet contractual base flows through late August and September.

- In Wet years (Total Annual Discharge 5.8 - 6.8M Acre Ft) [11yrs of the last 45yrs] reduce discharge from maximum at a rate not to exceed 5%/day for 2-3 weeks; maintain descending discharge throughout July and August to meet contractual base flows through late August and September.
- In Moderate years (Total Annual Discharge 4 - 5.8M Acre Ft) [17yrs of last 45yrs] reduce discharge from maximum at a rate not to exceed 5%/day for 2-3 weeks; maintain descending discharge throughout July and August to meet contractual base flows through late August and September.
- In Dry years - Stay with existing protocols.

Winter Flow and Ascending Hydrograph in Spring

Objectives:

- Fish Habitat
- Meet life history requirements of other Aquatic Species

Criteria:

- In Ultra-wet years (Total Annual Discharge >7M Acre Ft) [4yrs of last 45yrs] maintain winter flows to meet fishery requirements to foster native species over non-natives; hold flows constant through the cold winter months at prescribed levels; do not increase discharge before April 1.
- In Wet years (Total Annual Discharge 5.8 - 6.8M Acre Ft) [11yrs of the last 45yrs] maintain winter flows to meet fishery requirements to foster native species over non-

natives; hold flows constant through the cold winter months at prescribed levels; do not increase discharge before April 1.

- In Moderate years (Total Annual Discharge 4 - 5.8M Acre Ft) [17yrs of last 45yrs] maintain winter flows to meet fishery requirements to foster native species over non-natives; hold flows constant through the cold winter months at prescribed levels; do not increase discharge before April 1.
- In Dry years.

  maintain winter flows to meet fishery requirements to foster native species over non-natives; flows may often be designated to be less than 1000 cfs; hold flows constant through the cold winter months at prescribed levels; do not increase discharge before April 1.